

CITY OF  
**HAYWARD**  
HEART OF THE BAY

**CLIMATE ACTION PLAN  
IMPLEMENTATION  
APRIL 19, 2011**

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# Hayward Climate Action Plan

- Adopted by City Council on July 28, 2009
- Reduce Greenhouse Gas Emissions below 2005 levels by:
  - *12.5% by 2020*
  - *82.5% by 2050*

# Climate Action Plan Implementation

- Review of actions recommended by CAP

## GHG Emissions Inventory

- Comparison of 2005 and 2009 Estimates



# Climate Action Plan Implementation

Most Actions called for in the Climate Action Plan are proceeding on schedule.

- Exception: City program to finance renewable energy projects. (Property Assessed Clean Energy (PACE) on hold pending federal action.)

Items remaining this Calendar Year include:

- Single-Family RECO Overview to City Council, May 31
- Updates to Recycling and Food Scraps Programs
- Review Green Building Requirements and PACE status
- Address Transportation Issues
- Healthy/Local Eating
- Complete Green Portal Website
- Review CECO and Multifamily RECO issues



# Community Actions - Direct City Control

Action		Priority	Complete	On Schedule	Behind Schedule	Progress
3.9	EE Financing program - Commercial Buildings	1		X	PACE Program on hold.	City providing rebates for Commercial EE upgrades.
3.3	Commercial Energy Conservation Ordinance	2		X		To be addressed by Staff in September 2011.
3.7	EE Financing Program for Single-Family Homes	3		X	PACE Program on hold.	City providing rebate for residential EE upgrades.
3.8	EE Financing program for multi-family homes	4			X	PACE Program on hold pending federal action.
5.2	Renewable E Financing - Commercial buildings	5			X	PACE Program on hold pending federal action.
6.3	Improve Construction and demolition debris program	6		X		To be addressed by Staff in September 2011.
4.2	Continue to implement GB ordinance for commercial buildings	7	X			
5.3	Add Solar Requirement to GB Ordinance for private development	8		X		To be addressed at the May 2011 Sustainability Committee Meeting
4.1	Continue to implement GB ordinance for residential buildings	9	X			
3.1	Implement RECO for Single Family Residential Homes	10		X		To City Council Work Session on May 31, 2011.



# Community Actions – GHG Savings Not Quantified

Action		Priority	Complete	On Schedule	Behind Schedule	Progress
2.2	Collaborate with state and federal levels to promote low-carbon vehicles and fuels	1		X		
2.1	Provide Incentives for low-carbon vehicles and fuels	2		X		Collaborate with Federal and State levels of government to promote low-carbon vehicles and fuels.
1.10	Align zoning policies to minimize vehicle travel	3		X		Form-Based Codes being developed.
6.7	Maximize the useful value of waste streams	4		X		To be addressed at the Sept. 2011 Sustainability Committee Meeting
9.1	Create Green-portal website	5		X		Complete Summer 2011.
9.2	Engage residents in emissions reductions activities	6		X		CAM Team will develop engagement strategies as it builds the Communications Program.
9.3	Engage local businesses in climate-related programs.	7		X		CAM Team will develop engagement strategies as it builds the Communications Program.
1.9	Encourage high density, mixed-use development near public transit.	8	X			Transit Village approved for South Hayward Bart Station. Form-Based Codes being developed.



# Municipal Actions – Direct City Control

Action		Priority	Complete	On Schedule	Behind Schedule	Progress
3.10	Upgrade streetlights to LEDs	1		X		Complete July 2011
2.3	Buy fuel efficient/low-carbon fuel vehicles for municipal fleet	2		X		Prioritize fuel efficiency/low-carbon vehicle purchases
3.12	Audit City buildings and identify energy savings opportunities	3		X		Audits completed in 2010 and currently in progress.
3.11	Prepare and implement EC plan for municipal buildings	4		X		Track performance through Benchmarking
2.4	Include alternative-fuel and fuel economy requirements into contracts	5		X		Recycling franchisee uses alternative fuels. Seek new opportunities.
6.9	Implement food scraps collection programs in city buildings	6		X		Address at the Sept. 2011 Sustainability Committee Meeting
5.5	Audit city buildings and identify buildings best suited for solar	7		X		Completed with CEC. Seeking new sites.
5.6	Install renewable generation on municipal property	8		X		New library will include rooftop photovoltaics
4.3	Continue to implement municipal green building ordinance	9	X			LEED Silver Certification required new buildings
6.8	Continue recycling programs in City-occupied buildings.	10		X		Address at the Sept. 2011 Sustainability Committee Meeting



# Municipal Actions – GHG Savings Not Quantified

Action		Priority	Completed	On Schedule	Behind Schedule	Progress
1.13	Provide commuter benefits to government employees	1		X		To be addressed at the June 2011 Sustainability Committee Meeting
1.15	Prefer facilities with convenient access to public transit	2		X		Planned library will be convenient to BART
9.4	Offer climate education programs to city employees	3		X		Green Expo held on March 11, 2011
9.6	Contract awardees to include information about sustainability practices.	5		X		Currently used for some RFPs. Planning to share standardized language with other departments.
9.5	Set Municipal reduction targets. Work to achieve those targets	6		X		City is actively working to reduce emissions.
6.10	Develop environmentally friendly purchasing program	7	X			Administrative Rule 3.9, Environmentally Friendly Purchasing Policy adopted.



# Emissions/Energy Comparison 2005-2009

- City-wide energy consumption decreased while City-wide CO<sub>2</sub>e production remained unchanged.
  - Each watt of electricity consumed in 2009 produced more CO<sub>2</sub>e than in 2005.
- Municipal energy consumption decreased while municipal CO<sub>2</sub>e increased.
- Community energy consumption decreased while community CO<sub>2</sub>e remained unchanged.



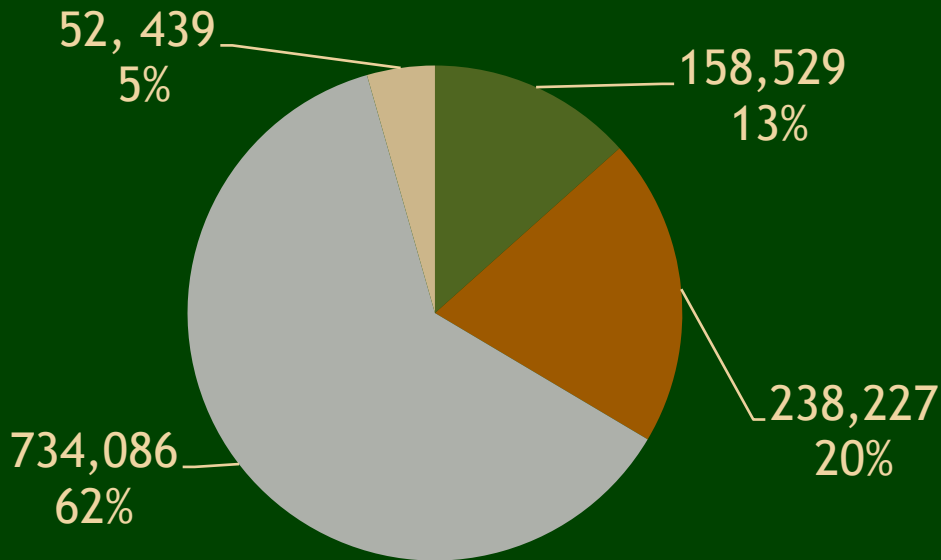
# Emissions/Energy Comparison 2005-2009

	Equiv CO2 (tonnes)		%	Energy (MWh)		%
	2005	2009	Change	2005	2009	Change
Community Emissions/Energy 2005 – 2009 Comparison	1,183,281	1,182,934	0%	4,869,409	4,821,780	-1%
Municipal Emissions/Energy 2005 – 2009 Comparison	7,422	7,591	2%	32,221	28,076	-13%
Total	1,190,703	1,190,525	0%	4,901,630	4,849,856	-1%



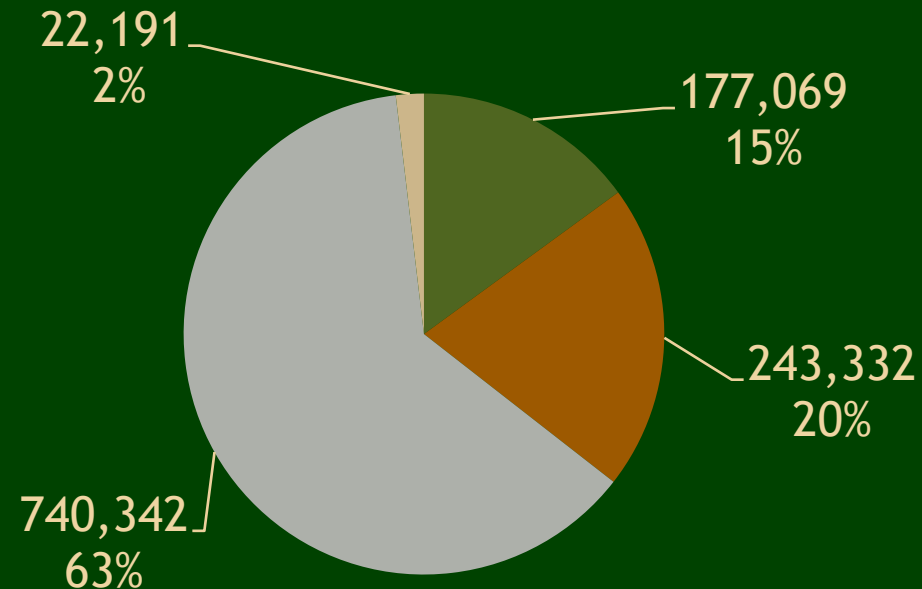
# Community Emissions (in tonnes of CO<sub>2</sub>e)

2005



- Residential
- Commercial/Industrial
- Transportation
- Waste

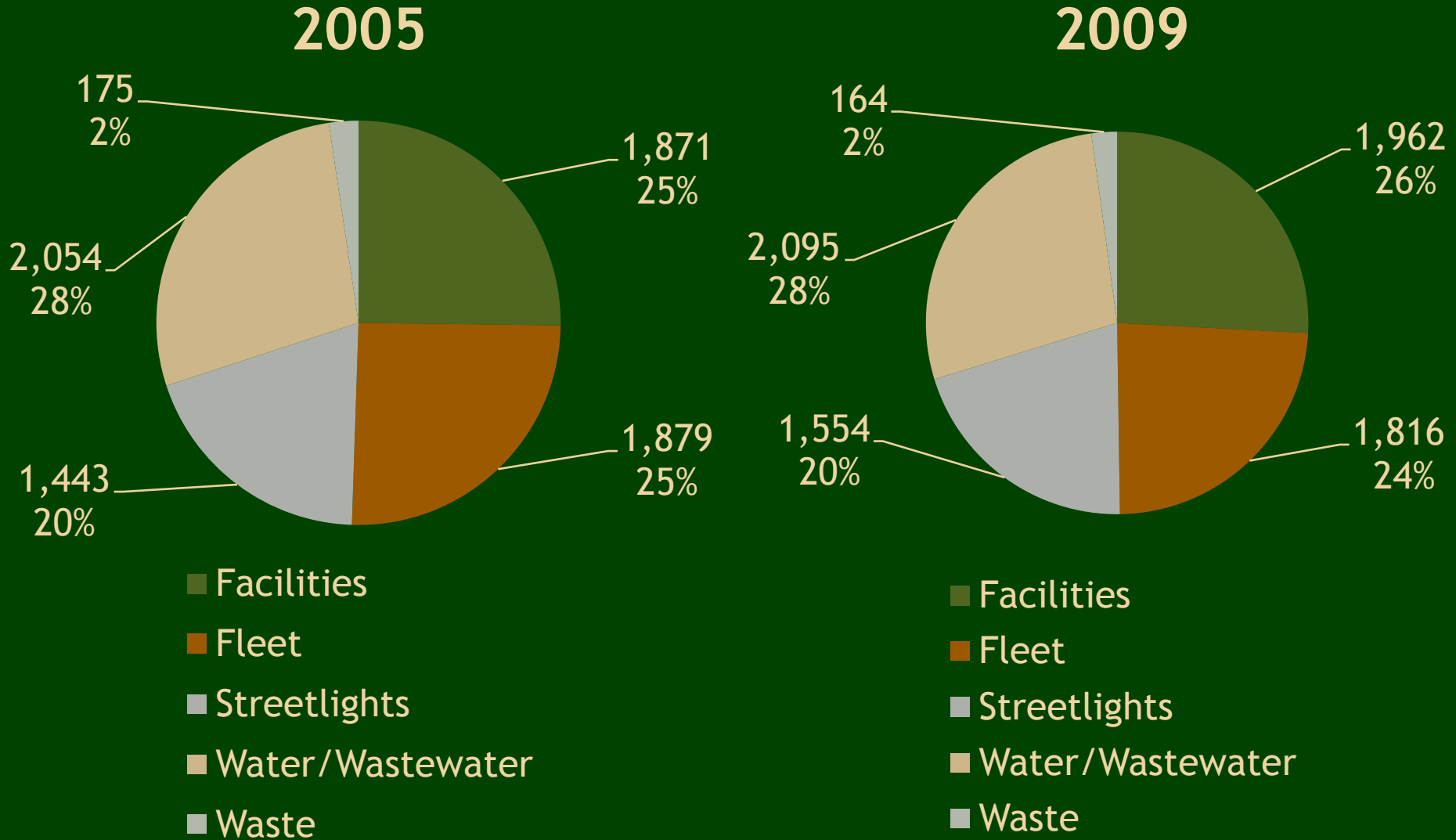
2009



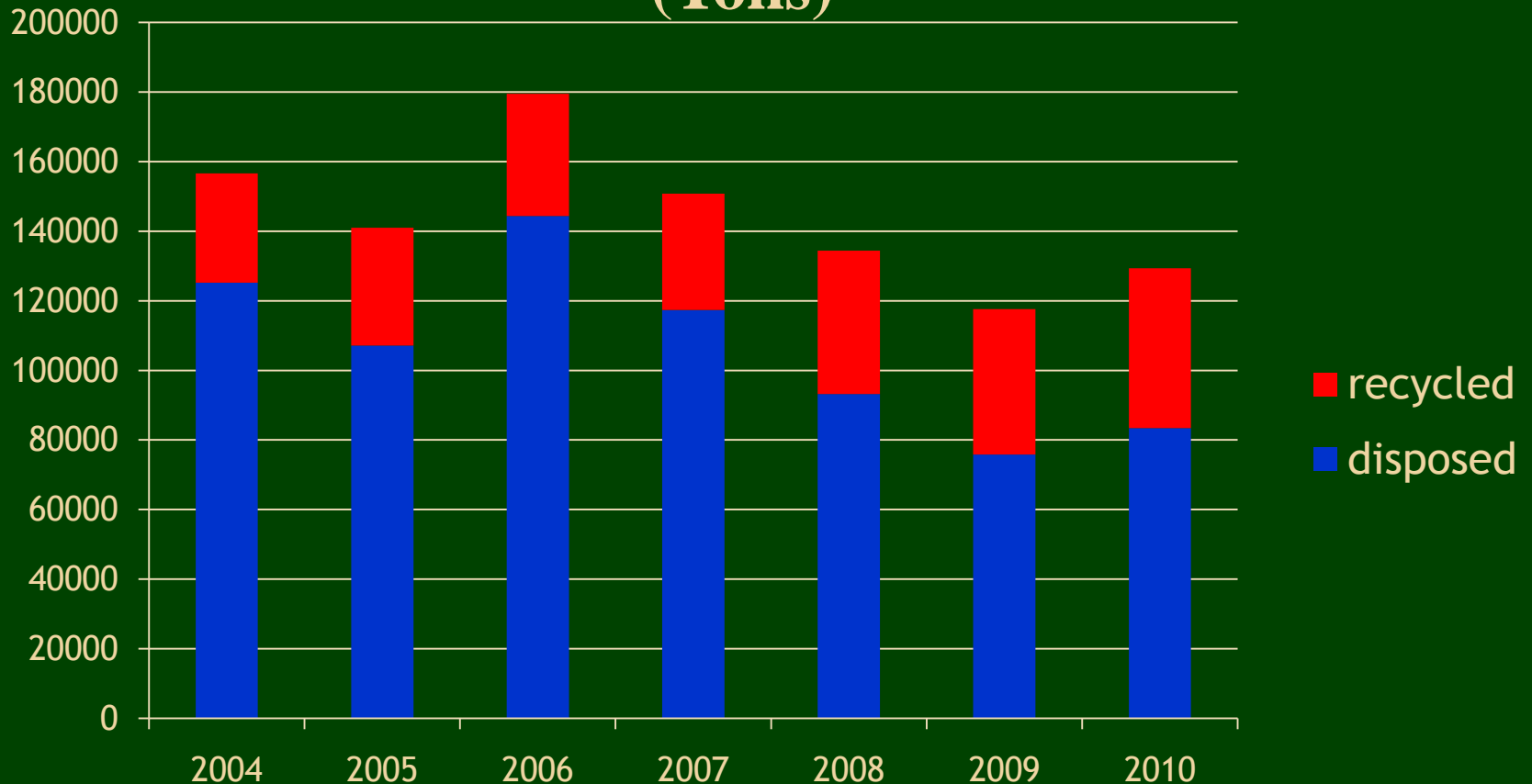
- Residential
- Commercial/Industrial
- Transportation
- Waste



# Municipal Emissions (in tonnes of CO<sub>2</sub>e)



# Franchised Waste Disposed and Recycled (Tons)



Landfilled tonnage has declined steadily since 2007 due to the economic downturn

Tonnage recycled has increased since 2007 due to new programs

Source: Reports provided by Waste Management, Inc.